

11-09-04

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert W. McMillan, et al.

Group Art Unit: 2877

Title: Coherent Radar and Ladar Polarimeter

Application

Serial No.: 10/631,218

Examiner: (Not Assigned)

Filed On: 07/25/2003

Atty. Docket No.: 01-07

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

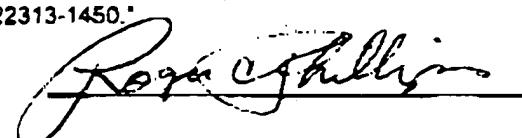
Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the Notice to File Missing Parts, dated as mailed October 27, 2003, received in connection with the above-referenced patent application.

I hereby certify that this correspondence is being deposited on the date given below with the United States Postal Service as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450."

Date: 11/19, 2003



**REMARKS**

The present application was filed on 25 July 2003.

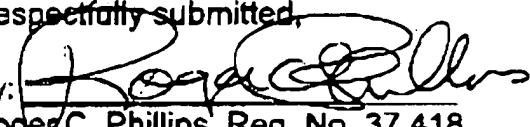
A Notice to File Missing Parts, dated as mailed 27 Oct 2003 (copy enclosed), was received in connection with the present patent application. In response, Applicant encloses a Declaration document and a Fee Transmittal sheet reflecting authorization for charging Deposit Account No. 501121 the associated late filing fee of \$130.00.

**Conclusion**

Consideration, examination and allowance of each of the presently pending claims is respectfully requested.

Respectfully submitted,

By:

  
Roger C. Phillips, Reg. No. 37,418  
Attorney for Applicants

Date:

11/19/03

USASMDC  
ATTN: SMDC-LC-H  
P.O. Box 1500  
Huntsville, AL 35807-3801  
Phone: (256) 955-3213

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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 Address: 1401 L Street, N.W.  
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 Alexandria, Virginia 22313-1450  
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 Fax: 703-305-1000

| APPLICATION NUMBER | FLING OR 371 (R) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|-----------------------|-----------------------|------------------------|
| 10/631,218         | 07/25/2003            | Robert W. McMillan    | 01-07                  |

34900  
 U.S. ARMY SPACE AND MISSILE DEFENSE COMMAND  
 (USASMDC)  
 ATTN: SMDC-LC-H (PHILLIPS)  
 P.O. BOX 1500  
 HUNTSVILLE, AL 35807-3801

CONFIRMATION NO. 3318  
 FORMALITIES LETTER  
  
 TOC0000000011104308

Date Mailed: 10/27/2003

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
 A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$130 for a Large Entity

- \$130 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice MUST be returned with the reply.*

11/02/2004 11:50 FAX

Nov-19-03 13:10 CECOP LEGAL OFFICE

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P.06

Page 2 of 2

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*James J. Weyh*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202  
PART 1 - ATTORNEY/APPLICANT COPY

PTO/SB/17 (10-03)

Approved for use through 07/31/2008, OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 130.00)

## Complete If Known

|                      |                     |
|----------------------|---------------------|
| Application Number   | 10/631,218          |
| Filing Date          | 25 July 2003        |
| First Named Inventor | McMillan, Robert W. |
| Examiner Name        |                     |
| Art Unit             | 2877                |
| Attorney Docket No.  | 01-07               |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None Deposit Account:

501121

U.S. Army Space &amp; Mis. Def

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments

Charge any additional fee(s) or any underpayment of fee(s)

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity             | Small Entity | Fee Code (\$)          | Fee Code (\$) | Fee Description | Fee Paid |
|--------------------------|--------------|------------------------|---------------|-----------------|----------|
| 1001 770                 | 2001 385     | Utility filing fee     |               |                 |          |
| 1002 340                 | 2002 170     | Design filing fee      |               |                 |          |
| 1003 530                 | 2003 285     | Plant filing fee       |               |                 |          |
| 1004 770                 | 2004 385     | Reissue filing fee     |               |                 |          |
| 1005 160                 | 2005 80      | Provisional filing fee |               |                 |          |
| <b>SUBTOTAL (1) (\$)</b> |              |                        |               |                 |          |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------|----------------|----------|
|              |                    | -20** =      | x              | =        |
|              |                    | - 3** =      | x              | =        |
|              |                    |              |                |          |

| Large Entity             | Small Entity | Fee Code (\$)  | Fee Code (\$) | Fee Description |
|--------------------------|--------------|--|---------------|-----------------|
| 1202 18                  | 2202 9       | Claims in excess of 20                                     |               |                 |
| 1201 86                  | 2201 43      | Independent claims in excess of 3                          |               |                 |
| 1203 290                 | 2203 145     | Multiple dependent claim, if not paid                      |               |                 |
| 1204 86                  | 2204 43      | ** Reissue independent claims over original patent         |               |                 |
| 1205 18                  | 2205 9       | ** Reissue claims in excess of 20 and over original patent |               |                 |
| <b>SUBTOTAL (2) (\$)</b> |              |  |               |                 |

\*or number previously paid, if greater. For Reissues, see above

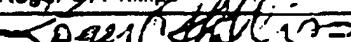
## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$)                    | Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------------|---------------|--|----------|
| 1051 130                         | 2051 65       | Surcharge - late filing fee or oath  | 130.00   |
| 1052 50                          | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                         | 1053 130      | Non-English specification  |          |
| 1812 2,520                       | 1812 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804 920*                        | 1804 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                      | 1805 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                         | 2251 65       | Extension for reply within first month                                     |          |
| 1252 420                         | 2252 210      | Extension for reply within second month                                    |          |
| 1253 950                         | 2253 475      | Extension for reply within third month                                     |          |
| 1254 1,480                       | 2254 740      | Extension for reply within fourth month                                    |          |
| 1255 2,010                       | 2255 1,005    | Extension for reply within fifth month                                     |          |
| 1401 330                         | 2401 165      | Notice of Appeal   |          |
| 1402 330                         | 2402 165      | Filing a brief in support of an appeal                                     |          |
| 1403 200                         | 2403 145      | Request for oral hearing   |          |
| 1451 1,510                       | 1451 1,510    | Petition to institute a public use proceeding                              |          |
| 1452 110                         | 2452 55       | Petition to revive - unavoidable   |          |
| 1453 1,330                       | 2453 665      | Petition to revive - unintentional   |          |
| 1501 1,330                       | 2501 665      | Utility issue fee (or reissue)   |          |
| 1502 480                         | 2502 240      | Design issue fee   |          |
| 1503 640                         | 2503 320      | Plant issue fee  |          |
| 1460 130                         | 1460 130      | Petitions to the Commissioner  |          |
| 1807 50                          | 1807 50       | Processing fee under 37 CFR 1.17(e)  |          |
| 1806 180                         | 1808 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                          | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809 770                         | 2809 385      | Filing a submission after final rejection (37 CFR 1.129(e))                |          |
| 1810 770                         | 2810 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 770                         | 2801 385      | Request for Continued Examination (RCE)                                    |          |
| 1802 900                         | 1802 900      | Request for expedited examination of a design application                  |          |
| Other fee (specify)              |               |  |          |
| Reduced by Basic Filing Fee Paid |               |  |          |
| <b>SUBTOTAL (3) (\$)</b>         |               |  | 130.00   |

(Complete if applicable)

| Name (Print/Type) | Roger C. Phillips   | Registration No. (Attorney/Agent) | 37,418 | Telephone | 732 532-1459 |
|-------------------|---|-----------------------------------|--------|-----------|--------------|
| Signature         |  |                                   |        | Date      | 11/19/03     |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.